

REMARKS

Applicant cancels claims 9 and 10 without prejudice or disclaimer. Therefore, claims 1-8 and 11-12 are all the claims pending in the application.

Claims 7, 8, 11 and 12 are allowed. Claims 1-4 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Jang, and claims 4-6 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Jang.

Applicant amends claims 1-6 more clearly to recite the features of an apparatus as claimed therein, and respectfully traverses the Examiner's prior art rejections as follows.

Applicant's independent claims 1 and 2 provide vibration reduction control apparatuses for electric motors which vibrate due to resonance vibration of the motor, or due to drastic change of the torque generated by the motor. In particular, claims 1 and 2 provide vibration reduction control apparatuses comprising means for reducing the vibration within a range of a predetermined frequency band by, *inter alia*, correcting the target torque (rotation) so as to decrease the vibration and by controlling the electric motor based on the corrected target torque (rotation). That is, vibration reduction control apparatuses as claimed in claims 1 and 2 can (but are not required to) reduce any vibration which is caused by change of torque generated by the electric motor.

Furthermore, vibration reduction control apparatuses as claimed in claims 1 and 2 do not necessarily (this not being a requirement) decrease of torque which the electric motor can generate because the target torque is corrected within a range of the predetermined frequency band.

Jang discloses an operation control apparatus for an escalator which achieves smooth motion of footplate by torque control of an induction motor. In Jang, the pulse torque is controlled by compensating current from an output signal of a speed detector. In contrast to Applicant's invention as claimed in claims 1 and 2, Jang does not disclose, teach or suggest that the target rotation (torque) is corrected within the predetermined frequency band which includes resonance vibration of induction motor.

Therefore, Applicant's independent claims 1 and 2, as well as their respective dependent claims 3-6 (which incorporate all the novel and unobvious features of their base claims), are not anticipated by (i.e., are not readable on), and would not have been obvious from Jang at least for these reasons,

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned attorney at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

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Date: April 21, 2004

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